Approved For Release 2008/10/10 : CIA-RDP80-00810A008200430010-6

CLASSIFICATION [redacted] 25X1

CENTRAL INTELLIGENCE AGENCY

REPORT [redacted]

INFORMATION REPORT

CD NO. [redacted] 25X1

COUNTRY East Germany [redacted]

DATE DISTR. 25 October 1955

SUBJECT 1956 Import Plan of the Academy Institute for Research on the Physics of Solids, Berlin-Buch

NO. OF PAGES 3 25X1

PLACE ACQUIRED [redacted]

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO. [redacted]

SUPPLEMENT TO REPORT NO.

[redacted] 25X1

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[redacted] for the Institute for Research on the Physics of Solids, Berlin-Buch, Lindenberger [redacted], one of the institutes under the jurisdiction of the East German Academy of Sciences in Berlin.

[redacted] values are [redacted] approximate. 25X1

Item	Value	Purpose
28 g.gallium [redacted]	700	Production of semi-conductors of Type A III/BV.
8 g.indium [redacted]	88	" "
8 g.thalli[redacted]	4	" "
500 g.tan[redacted]	150	" "
100 g.caesium [redacted]mate	11110	For the [redacted] for [redacted] 25X1
100 g.zirconium in powder form [redacted]	30	" " 25X1
25 kg.mitrogen mono-oxide (N_2O) [redacted]	133	Catalytic research on zinc-oxide. 25X1
25 x 50 g. high-vacuum Leyboldt grease [redacted]	525	For the institute's high-vacuum apparatuses. 25X1
6 Multipliers [redacted]	1,500	For determining minute X-ray intensitie 25X1 and as an accessory device for the mono-chromator.
1 Quadrant electrometer [redacted]	1,800	For determining slight electric charges 25X1 and for [redacted] 25X1

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CLASSIFICATION [redacted]

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ITEM	VALUE	PURPOSE
[redacted]	[redacted]	For absolute measurement of radiations of various kinds. 25X1
1 Siegbahn [redacted]	400	This item cannot be imported through the usual import channels. Funds will have to be made available.
1 X-ray Guinier camera	8,000	Structure camera with focusing crystal mono-chromator.
2 Zernicke galvanometers	1,400	For absolute measurements (Thermoelement).
1 [redacted] universal X-ray dosimeter	7,000	For standardizing CdS dosimeter cells. 25X1
2 Quartz crystals	500	For use in the mono-chromator under construction.
1 Tube voltmeter GM 6006	800	With a range of 3mV and 30 megacycles (MHz); not procurable at the present in East Germany.
1 [redacted] compensator	880	Compensators for slight currents of 10 micro-volts; not procurable at present in East Germany.
1 Tera-ohmmeter 1446 with measuring cable TZ 21	1,560	For semi-conductor research (Tera-ohmmeters made in East Germany do not have the necessary measuring voltage range of up to 1,000 V.)
1 Synochronoscope	6,000	For measuring rapidly changing impulses. (zur Messung schnell veraenderlicher Vorgaenge im Impulsbetrieb).
3 Electrometer tubes T113	120	For amplifiers with high ohm input; not procurable in East Germany at present. 25X1
1 Sichromal tube 0.6 x 0.2 m. with 5 mm. wall thickness	50	For crystal culture furnaces.
10 g. Purest samarium	160	For activating CdS. 25X1
0.5 ltr. tin tetrachloride ($SnCl_4$)	9	For producing transparent conducting layers. 25X1
0.5 ltr. colloidal carbon "Aquadag"	10	For contacting (Kontaktierung). 25X1

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ITEM	VALUE	PURPOSE
100 G. TUNGSTEN PLATE 0.1	40	FOR THE PRODUCTION OF COMBUSTION BOATS (GLUEHSCHIFFCHEN)
100 G. TUNGSTEN PLATE 0.2	[redacted]	
600 G.COVAR	[redacted]	WELDING METAL(ANSCHMELZMET ALL) (FOR GLASS WITH VARYING CO-EFFICIENTS OF EXPANSION)
20.G.SILICON MONO-OXIDE (SI-O)	4	FOR THE PRODUCTION OF INSULATING PROTECTIVE LAYERS WHICH ALLOW LIGHT TO PASS THROUGH.

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